

## SEQUENCE LISTING

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<120> Peptide-Based Diagnostic Reagents For SARS

<130> 1151-4175

<160> 15

<170> PatentIn version 3.1

<210> 1

<211> 45

<212> PRT

<213> SARS Coronavirus

<400> 1

Lys Tyr Phe Gly Gly Phe Asn Phe Ser Gln Ile Leu Pro Asp Pro Leu  
 1 5 10 15

Lys Pro Thr Lys Arg Ser Phe Ile Glu Asp Leu Leu Phe Asn Lys Val  
 20 25 30

Thr Leu Ala Asp Ala Gly Phe Met Lys Gln Tyr Gly Glu  
 35 40 45

<210> 2

<211> 55

<212> PRT

<213> SARS Coronavirus

<400> 2

Val Lys Gln Met Tyr Lys Thr Pro Thr Leu Lys Tyr Phe Gly Gly Phe  
 1 5 10 15

Asn Phe Ser Gln Ile Leu Pro Asp Pro Leu Lys Pro Thr Lys Arg Ser  
 20 25 30

Phe Ile Glu Asp Leu Leu Phe Asn Lys Val Thr Leu Ala Asp Ala Gly

35

40

45

Phe Met Lys Gln Tyr Gly Glu  
 50 55

<210> 3  
 <211> 58  
 <212> PRT  
 <213> SARS Coronavirus

<220>  
 <221> MISC\_FEATURE  
 <223> Synthetic Peptide

<400> 3

Lys Lys Lys Val Lys Gln Met Tyr Lys Thr Pro Thr Leu Lys Tyr Phe  
 1 5 10 15

Gly Gly Phe Asn Phe Ser Gln Ile Leu Pro Asp Pro Leu Lys Pro Thr  
 20 25 30

Lys Arg Ser Phe Ile Glu Asp Leu Leu Phe Asn Lys Val Thr Leu Ala  
 35 40 45

Asp Ala Gly Phe Met Lys Gln Tyr Gly Glu  
 50 55

<210> 4  
 <211> 69  
 <212> PRT  
 <213> SARS Coronavirus

<400> 4

Ala Ala Glu Gln Asp Arg Asn Thr Arg Glu Val Phe Ala Gln Val Lys  
 1 5 10 15

Gln Met Tyr Lys Thr Pro Thr Leu Lys Tyr Phe Gly Gly Phe Asn Phe  
 20 25 30

Ser Gln Ile Leu Pro Asp Pro Leu Lys Pro Thr Lys Arg Ser Phe Ile  
 35 40 45

Glu Asp Leu Leu Phe Asn Lys Val Thr Leu Ala Asp Ala Gly Phe Met  
 50 55 60

Lys Gln Tyr Gly Glu  
 65

<210> 5  
 <211> 22  
 <212> PRT  
 <213> SARS Coronavirus

<400> 5

Met Ala Asp Asn Gly Thr Ile Thr Val Glu Glu Leu Lys Gln Leu Leu  
 1 5 10 15

Glu Gln Trp Asn Leu Val  
 20

<210> 6  
 <211> 25  
 <212> PRT  
 <213> SARS Coronavirus

<220>  
 <221> MISC\_FEATURE  
 <223> Synthetic Peptide

<400> 6

Lys Lys Lys Met Ala Asp Asn Gly Thr Ile Thr Val Glu Glu Leu Lys  
 1 5 10 15

Gln Leu Leu Glu Gln Trp Asn Leu Val  
 20 25

<210> 7  
 <211> 65  
 <212> PRT  
 <213> SARS Coronavirus

<400> 7

Gln Leu Pro Gln Gly Thr Thr Leu Pro Lys Gly Phe Tyr Ala Glu Gly  
 1 5 10 15

Ser Arg Gly Gly Ser Gln Ala Ser Ser Arg Ser Ser Ser Arg Ser Arg  
 20 25 30

Gly Asn Ser Arg Asn Ser Thr Pro Gly Ser Ser Arg Gly Asn Ser Pro  
 35 40 45

Ala Arg Met Ala Ser Gly Gly Gly Glu Thr Ala Leu Ala Leu Leu Leu  
 50 55 60

Leu  
 65

<210> 8  
 <211> 80  
 <212> PRT  
 <213> SARS Coronavirus

<400> 8

His Ile Gly Thr Arg Asn Pro Asn Asn Asn Ala Ala Thr Val Leu Gln  
 1 5 10 15

Leu Pro Gln Gly Thr Thr Leu Pro Lys Gly Phe Tyr Ala Glu Gly Ser  
 20 25 30

Arg Gly Gly Ser Gln Ala Ser Ser Arg Ser Ser Ser Arg Ser Arg Gly  
 35 40 45

Asn Ser Arg Asn Ser Thr Pro Gly Ser Ser Arg Gly Asn Ser Pro Ala  
 50 55 60

Arg Met Ala Ser Gly Gly Gly Glu Thr Ala Leu Ala Leu Leu Leu Leu  
 65 70 75 80

<210> 9  
 <211> 50  
 <212> PRT  
 <213> SARS Coronavirus

&lt;400&gt; 9

Ala	Gln	Phe	Ala	Pro	Ser	Ala	Ser	Ala	Phe	Phe	Gly	Met	Ser	Arg	Ile
1				5					10					15	

Gly	Met	Glu	Val	Thr	Pro	Ser	Gly	Thr	Trp	Leu	Thr	Tyr	His	Gly	Ala
			20					25					30		

Ile	Lys	Leu	Asp	Asp	Lys	Asp	Pro	Gln	Phe	Lys	Asp	Asn	Val	Ile	Leu
		35					40					45			

Leu	Asn
	50

&lt;210&gt; 10

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; SARS Coronavirus

&lt;400&gt; 10

Asp	Leu	Ile	Arg	Gln	Gly	Thr	Asp	Tyr	Lys	His	Trp	Pro	Gln	Ile	Ala
1				5					10					15	

Gln	Phe	Ala	Pro	Ser	Ala	Ser	Ala	Phe	Phe	Gly	Met	Ser	Arg	Ile	Gly
			20					25					30		

Met	Glu	Val	Thr	Pro	Ser	Gly	Thr	Trp	Leu	Thr	Tyr	His	Gly	Ala	Ile
		35					40					45			

Lys	Leu	Asp	Asp	Lys	Asp	Pro	Gln	Phe	Lys	Asp	Asn	Val	Ile	Leu	Leu
	50					55					60				

Asn
65

&lt;210&gt; 11

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; SARS Coronavirus

&lt;400&gt; 11

Gly Arg Arg Gly Pro Glu Gln Thr Gln Gly Asn Phe Gly Asp Gln Asp  
 1 5 10 15

Leu Ile Arg Gln Gly Thr Asp Tyr Lys His Trp Pro Gln Ile Ala Gln  
 20 25 30

Phe Ala Pro Ser Ala Ser Ala Phe Phe Gly Met Ser Arg Ile Gly Met  
 35 40 45

Glu Val Thr Pro Ser Gly Thr Trp Leu Thr Tyr His Gly Ala Ile Lys  
 50 55 60

Leu Asp Asp Lys Asp Pro Gln Phe Lys Asp Asn Val Ile Leu Leu Asn  
 65 70 75 80

<210> 12  
 <211> 52  
 <212> PRT  
 <213> SARS Coronavirus

<400> 12

Lys Lys Asp Lys Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro Gln  
 1 5 10 15

Arg Gln Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp Met  
 20 25 30

Asp Asp Phe Ser Arg Gln Leu Gln Asn Ser Met Ser Gly Ala Ser Ala  
 35 40 45

Asp Ser Thr Gln  
 50

<210> 13  
 <211> 66  
 <212> PRT  
 <213> SARS Coronavirus

<400> 13

Lys His Ile Asp Ala Tyr Lys Thr Phe Pro Pro Thr Glu Pro Lys Lys  
 1 5 10 15

Asp Lys Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro Gln Arg Gln  
                   20                  25                  30

Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp Met Asp Asp  
           35                  40                  45

Phe Ser Arg Gln Leu Gln Asn Ser Met Ser Gly Ala Ser Ala Asp Ser  
       50                  55                  60

Thr Gln  
 65

<210> 14  
 <211> 69  
 <212> PRT  
 <213> SARS Coronavirus

<220>  
 <221> MISC\_FEATURE  
 <223> Syntheitic Peptide

<400> 14

Lys Lys Lys Lys His Ile Asp Ala Tyr Lys Thr Phe Pro Pro Thr Glu  
 1                  5                  10                  15

Pro Lys Lys Asp Lys Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro  
           20                  25                  30

Gln Arg Gln Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp  
           35                  40                  45

Met Asp Asp Phe Ser Arg Gln Leu Gln Asn Ser Met Ser Gly Ala Ser  
       50                  55                  60

Ala Asp Ser Thr Gln  
 65

<210> 15  
 <211> 81

&lt;212&gt; PRT

&lt;213&gt; SARS Coronavirus

&lt;400&gt; 15

Asp	Asp	Lys	Asp	Pro	Gln	Phe	Lys	Asp	Asn	Val	Ile	Leu	Leu	Asn	Lys
1				5				10						15	

His	Ile	Asp	Ala	Tyr	Lys	Thr	Phe	Pro	Pro	Thr	Glu	Pro	Lys	Lys	Asp
			20					25					30		

Lys	Lys	Lys	Lys	Thr	Asp	Glu	Ala	Gln	Pro	Leu	Pro	Gln	Arg	Gln	Lys
		35					40					45			

Lys	Gln	Pro	Thr	Val	Thr	Leu	Leu	Pro	Ala	Ala	Asp	Met	Asp	Asp	Phe
	50					55					60				

Ser	Arg	Gln	Leu	Gln	Asn	Ser	Met	Ser	Gly	Ala	Ser	Ala	Asp	Ser	Thr
65					70					75					80

Gln